**SITE NUMBER:** B-L3-02

LOCAL NAME: Weeden Bottom #1

WRIA: 20.0174C

## NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Bogachiel DATE: 4/4/89 OBSERVER: Young

**CHANNEL TYPE:** Lower end of a small valley wall tributary.

TRIBUTARY TO: Bogachiel River - 20.0162

SITE LOCATION: L.B. @ River mile - 8.5 (WDF)

LEGAL DESCRIPTION: SE1/4 S13 T28N R14W

UPPER END LOWER END RIVER TEMP

WATER TEMP: N/A 45 F 43 F

**FLOW (CFS):** 1 - 2 2 - 4

**SUBSTRATE TYPE:** Mostly silt. Some gravel in the lower reaches.

SITE SIZE: Length- 775 m

Width- Surface = 4 to 8 ft (excluding beaver ponds)

Channel = 10 to 20 ft

Depth- 3 to 12 inches (excluding beaver ponds)

WATER SOURCE: Largely surface run off. Some seep-type springs.

<u>DIRECTIONS TO SITE:</u> Head north from Forks on Hwy 101. Turn left just beyond m.p. 193 (1.0 mile north of Forks) onto the La Push Rd. Proceed west on the La Push Rd approx. 5.0 miles then turn left onto the G-3000 Rd (ITT Rayonier). Follow the G-3000 approx. 0.6 miles until coming to a bridge which crosses the Bogachiel River. Take the first left after crossing the bridge. Continue on this road until coming to a bridge which crosses Weeden Creek. Turn right after crossing the bridge then left at the bottom of the hill. Follow this road to its end. B-L3-02 is located just east of the road.

<u>FISH ACCESS AND CURRENT USE:</u> No fish were seen. The lower 130 m of the channel appears to have unresticted access. A series of beaver dams above this point may be impassable to juvenile coho.

FLOODING POTENTIAL: Low.

LANDOWNER: Unknown at this time. Possiby ITT Rayonier.

**COMMENTS & RECOMMENDATIONS:** B-L3-02 enters the Bogachiel River at a small back eddy directly across from the mouth of the Calawah River. It appears to be the main egress channel for the large flat area east of Weeden Cr. The lower 100 m of the channel is deeply incised and has a moderate gradient. Some gravel and cobble occurs along this lower reach.

Two small RB tribs also enter B-L3-02 along this lower reach. The lower trib enters about 5 m above the mouth of B-L3-02 and has been designated B-L3-03 (see separate write-up). The upper trib enters 50 to 60 m above the mouth of B-L3-02 and is very small (flow estimated at < 10 gal/min). The lower 40 m of this trib is steep and incised as it gains some 10 ft in elevation before reaching a small, grassy, and very shallow (< 6 inches deep) marsh which lies adjacent to B-L3-02. Water temperature near the mouth of this small trib was 46 F.

A series of four beaver dams occurring from 135 m to 260 m above the mouth of B-L3-02 appear to be impassable to juvenile coho. These dams show signs of recent beaver activity and are responsible for the majority of the ponded water in B-L3-02. The uppermost (and largest) dam is 4 to 5 feet high and 50 to 60 feet long. The pond extends upstream about 100 m. An old grade used to cross B-L3-02 at the upper

end of the large beaver pond. The culvert (?) has since been removed.

B-L3-02 continues as a well-defined channel for a distance of 160 to 180 m upstream of the beaver dams. It then enters a large grove of trees (primarily large alder) which has been left in the otherwise clearcut area. The channel becomes very braided and poorly defined as the water flows though this grove.

Two tributaries flow from off the steep hillside and into the alder grove from the south. These two tribs appear to supply most of the water in B-L3-02. Limited coho rearing may be possible in these tributaries for a short distance upstream of the braided channel.

B-L3-02 could be better utilized by juvenile coho if the beaver dams were removed or made passable. Removal of the dams, however would greatly reduce the overall ponded area. Channelization and/or beaded channel construction could be very beneficial in the tree grove area. Flows during this survey may be above average due to recent rainfall. Should see this channel again during a winter dry spell. Should also minnow trap upstream of beaver dams to confirm lack of fish access.

**DATE**: 8/29/89 **OBSERVER**:

Channel watered in midsection due to beaver dams, but the lower end is shallow and spreads out across a large gravel bar on the Bogachiel R. The lowermost beaver dams block access.

Water temp. at mouth = 54°.

Water temp. at beaver dam in mid-section = 59°.

DATE: 5/10/89 OBSERVER:

These observations were made during an extended dry period. There has been no significant rainfall since early April.

Though the water level has dropped considerably since the last observation, there is still a significant amount of water in the pond at the upper end of the channel. This is especially true in light of the current dry spell.

Flow in the middle reach of the channel (i.e. near the minnow trapping site) is good. The springs in this reach still appear healthy. The water temperature in the channel was at 49 F. Water in the springs was at 48 F.

**DATE**: 12/18/89 **OBSERVER**:

Large beaver dams are still in place. No rain for 2 weeks. Flow is very low and dams are impassable. Very little flow through alder grove. Flooding of early December raised Bogachiel 8 to 10 feet but doesn't look like it backwatered lowest beaver dam which is about 6 feet high and is up the channel quite a ways. Attraction at mouth is questionable at normal flows.

**DATE**: 4/3/90- 4/4/90 **OBSERVER**: Mosely

The trap was baited with sugar cured salmon roe and set on the bottom of the pond in 3-4 ft of water, near a log and salmon berry covered banks.

This channel had a good flow in early April. One minnow trap was set above a series of beaver dams 360 m upstream from its mouth, immediately above an abandoned road crossing. One coho was captured. One blue heron and several rising fish were observed when the trap was set. This channel has excellent cover and extensive pond habitat, however the beaver dams may discourage movement of juvenile coho in and out of this system.

## MINNOW TRAPPING REPORT

TRAP	DATE SET	DATE TEMP PULLED TEMP			CATCH COHO TROUT				COTTID
						RBT	CUTT	0+	
1	4/3	12.0°C	4/4	9.0°C	1	0	0	0	0
			-	TOTALS:	1 Coho Ig	-	*	0	0





